

Sequence Listing

<110> Botstein, David

Desnoyers,Luc

Ferrara, Napoleone

Fong,Sherman

Gao, Wei-Qiang

Goddard, Audrey

Gurney, Austin L.

Pan, James

Roy, Margaret Ann

Stewart, Timothy A.

Tumas, Daniel

Watanabe, Colin K.

Wood, William I.

<120> Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

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Phe Ala Ile Ala Arg Arg Leu Ala Gln Asp Gly Ala His Val Val 50 55 60

Val Ser Ser Arg Lys Gln Gln Asn Val Asp Gln Ala Val Ala Thr
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Leu Gln Gly Glu Gly Leu Ser Val Thr Gly Thr Val Cys His Val 85 Gly Lys Ala Glu Asp Arg Glu Arg Leu Val Ala Thr Ala Val Lys Leu His Gly Gly Ile Asp Ile Leu Val Ser Asn Ala Ala Val Asn Pro Phe Phe Gly Ser Ile Met Asp Val Thr Glu Glu Val Trp Asp Lys Thr Leu Asp Ile Asn Val Lys Ala Pro Ala Leu Met Thr Lys Ala Val Val Pro Glu Met Glu Lys Arg Gly Gly Ser Val Val Ile Val Ser Ser Ile Ala Ala Phe Ser Pro Ser Pro Gly Phe Ser Pro Tyr Asn Val Ser Lys Thr Ala Leu Leu Gly Leu Thr Lys Thr Leu Ala Ile Glu Leu Ala Pro Arg Asn Ile Arg Val Asn Cys Leu Ala Pro Gly Leu Ile Lys Thr Ser Phe Ser Arg Met Leu Trp Met Asp Lys Glu Lys Glu Glu Ser Met Lys Glu Thr Leu Arg Ile Arg Arg Leu Gly Glu Pro Glu Asp Cys Ala Gly Ile Val Ser Phe Leu Cys Ser Glu Asp Ala Ser Tyr Ile Thr Gly Glu Thr Val Val Val Gly Gly Gly Thr Pro Ser Arg Leu 275

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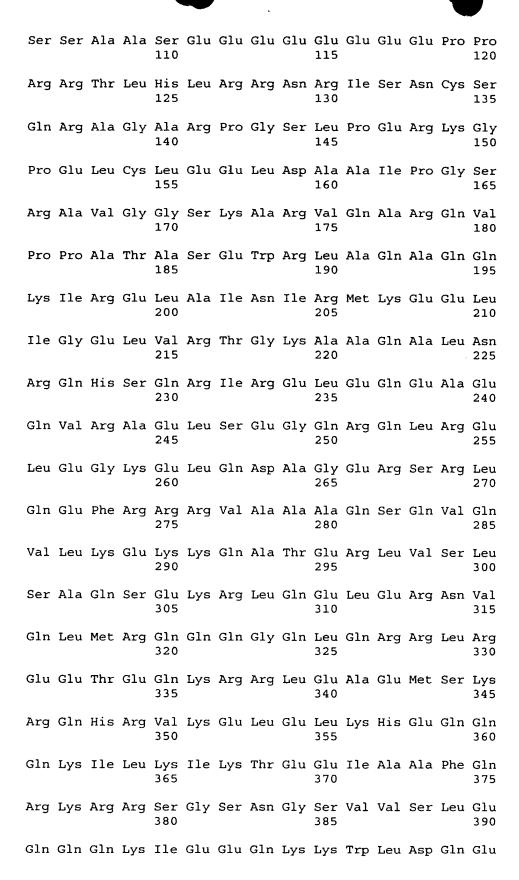
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Ala Gly Ala Glu Leu Leu Thr Glu Val Asn Arg Leu Gly Ser Gly 95 100 105

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Leu	Met	Gln	Glu	Lys 440	Thr	Gly	Leu	Glu	Ser 445	Lys	Arg	Leu	Arg	Ser 450
Ser	Gln	Ala	Leu	Asn 455	Glu	Asp	Ile	Val	Arg 460	Val	Ser	Ser	Arg	Leu 465
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Glu	His	Glu	Gln	Asn 650	Met	Gln	Leu	Leu	Leu 655	Gln	Gln	Ser	Arg	Asp 660
His	Leu	Gly	Glu	Gly 665	Leu	Ala	Asp	Ser	Arg 670	Arg	Gln	Tyr	Glu	Ala 675
Arg	Ile	Gln	Ala	Leu 680	Glu	Lys	Glu	Leu	Gly 685	Arg	Tyr	Met	Trp	Ile 690



Asn Gln Glu Leu Lys Gln Lys Leu Gly Gly Val Asn Ala Val Gly 705

His Ser Arg Gly Gly Glu Lys Arg Ser Leu Cys Ser Glu Gly Arg 720

Gln Ala Pro Gly Asn Glu Asp Glu Leu His Leu Ala Pro Glu Leu 735

Leu Trp Leu Ser Pro Leu Thr Glu Gly Ala Pro Arg Thr Arg Glu 750

Glu Thr Arg Asp Leu Cys 755

Arg Ser Ser Leu Cys Gly Gly Glu Glu Glu Glo Gly Gly Ser Pro Glu Leu 780

Arg Gln Arg Glu Ala Ala Glu Pro Leu Val Gly Arg Val Leu Pro 795

Val Gly Glu Ala Gly Leu Pro Trp Asn Phe Gly Pro Leu Ser Lys 800 805 810

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Gly Ser Gly Leu Trp Leu Cys Gln Pro Thr Pro Arg Cys Gly Asn 35 40 45

Lys Ile Tyr Asn Pro Ser Glu Gln Cys Cys Tyr Asp Asp Ala Ile
50 55 60

Leu Ser Leu Lys Glu Thr Arg Arg Cys Gly Ser Thr Cys Thr Phe
65 70 75

Trp Pro Cys Phe Glu Leu Cys Cys Pro Glu Ser Phe Gly Pro Gln 80 85 90

Gln Lys Phe Leu Val Lys Leu Arg Val Leu Gly Met Lys Ser Gln

Cys His Leu Ser Pro Ile Ser Arg Ser Cys Thr Arg Asn Arg Arg 110 115 120

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Glu Leu Gly Arg Pro Ala Arg Asp Glu Gly Gly Ser Gly Arg Asp
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Trp Lys Ser Lys Ser Gly Arg Gly Leu Ala Gly Arg Glu Pro Trp
80 85 90

Ser Lys Leu Lys Gln Ala Trp Val Ser Gln Gly Gly Ala Lys 95 100 105

Ala Gly Asp Leu Gln Val Arg Pro Arg Gly Asp Thr Pro Gln Ala

Glu Ala Leu Ala Ala Ala Gln Asp Ala Ile Gly Pro Glu Leu 125 130 135

Ala Pro Thr Pro Glu Pro Pro Glu Glu Tyr Val Tyr Pro Asp Tyr
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Arg Gly Lys Gly Cys Val Asp Glu Ser Gly Phe Val Tyr Ala Ile 155 160 165

Gly Glu Lys Phe Ala Pro Gly Pro Ser Ala Cys Pro Cys Leu Cys 170 175 180

Thr Glu Glu Gly Pro Leu Cys Ala Gln Pro Glu Cys Pro Arg Leu 185 190 195

His Pro Arg Cys Ile His Val Asp Thr Ser Gln Cys Cys Pro Gln 200 205 210

Cys Lys Glu Arg Lys Asn Tyr Cys Glu Phe Arg Gly Lys Thr Tyr 215 220 225

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Gln Thr Glu Cys Val Asp Pro Val Tyr Glu Pro Asp Gln Cys Cys 260

Pro Ile Cys Lys Asn Gly Pro Asn Cys Phe Ala Glu Thr Ala Val

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His Val Trp Lys Val Ser Asp Leu Pro Arg Gln Trp Thr Pro Lys 35 40 45

Asn Thr Ser Cys Asp Ser Gly Leu Gly Cys Gln Asp Thr Leu Met 50 55 60

Leu Ile Glu Ser Gly Pro Gln Val Ser Leu Val Leu Ser Lys Gly
65 70 75

Cys Thr Glu Ala Lys Asp Gln Glu Pro Arg Val Thr Glu His Arg
80 85 90

Met Gly Pro Gly Leu Ser Leu Ile Ser Tyr Thr Phe Val Cys Arg

Gln Glu Asp Phe Cys Asn Asn Leu Val Asn Ser Leu Pro Leu Trp 110 115 120

Ala Pro Gln Pro Pro Ala Asp Pro Gly Ser Leu Arg Cys Pro Val 125 130 135

Cys Leu Ser Met Glu Gly Cys Leu Glu Gly Thr Thr Glu Glu Ile 140 145 150

Cys Pro Lys Gly Thr Thr His Cys Tyr Asp Gly Leu Leu Arg Leu 155 160 165

Arg Gly Gly Gle Phe Ser Asn Leu Arg Val Gln Gly Cys Met 170 175 180

Pro Gln Pro Gly Cys Asn Leu Leu Asn Gly Thr Gln Glu Ile Gly 185 190 195

Pro Val Gly Met Thr Glu Asn Cys Asn Arg Lys Asp Phe Leu Thr 200 205 210

Cys His Arg Gly Thr Thr Ile Met Thr His Gly Asn Leu Ala Gln 215 220 225

Glu Pro Thr Asp Trp Thr Thr Ser Asn Thr Glu Met Cys Glu Val





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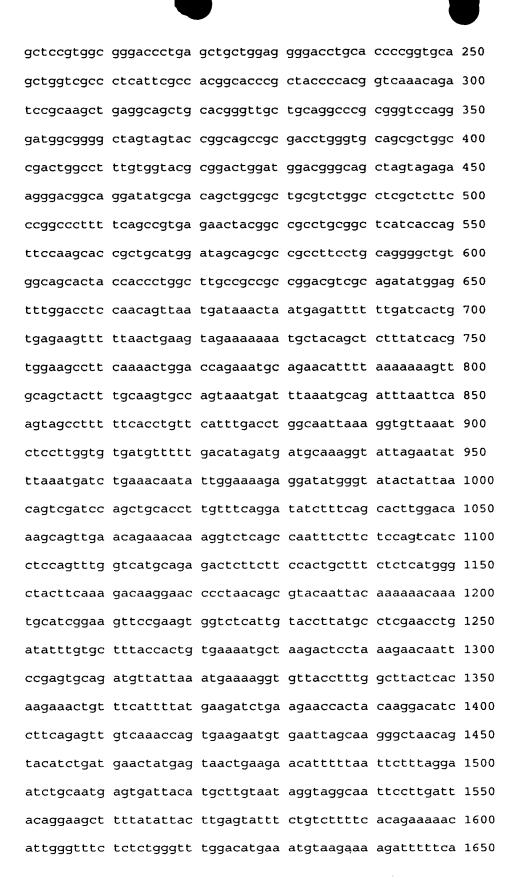
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Tyr Phe Gly Thr Lys Thr Arg Tyr Glu Asp Val Asn Pro Val Leu 50 55 60

Leu Ser Gly Pro Glu Ala Pro Trp Arg Asp Pro Glu Leu Leu Glu
65 70 75

Gly Thr Cys Thr Pro Val Gln Leu Val Ala Leu Ile Arg His Gly
80 85 90

Thr Arg Tyr Pro Thr Val Lys Gln Ile Arg Lys Leu Arg Gln Leu 95 100 105

His Gly Leu Leu Gln Ala Arg Gly Ser Arg Asp Gly Gly Ala Ser

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Pro	Ala	Leu	Phe	Ser 170	Arg	Glu	Asn	Tyr	Gly 175	Arg	Leu	Arg	Leu	Ile 180
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Gln	Gly	Leu	Trp	Gln 200	His	Tyr	His	Pro	Gly 205	Leu	Pro	Pro	Pro	Asp 210
Val	Ala	Asp	Met	Glu 215	Phe	Gly	Pro	Pro	Thr 220	Val	Asn	Asp	Lys	Leu 225
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Pro	Glu	Met	Gln	Asn 260	Ile	Leu	Lys	Lys	Val 265	Ala	Ala	Thr	Leu	Gln 270
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His	Leu	Asp	Lys	Ala 350	Val	Glu	Gln	Lys	Gln 355	Arg	Ser	Gln	Pro	Ile 360
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Pro	Leu	Leu	Ser	Leu 380	Met	Gly	Tyr	Phe	Lys 385	Asp	Lys	Glu	Pro	Leu 390
Thr	Ala	Tyr	Asn	Tyr 395	Lys	Lys	Gln	Met	His 400	Arg	Lys	Phe	Arg	Ser 405

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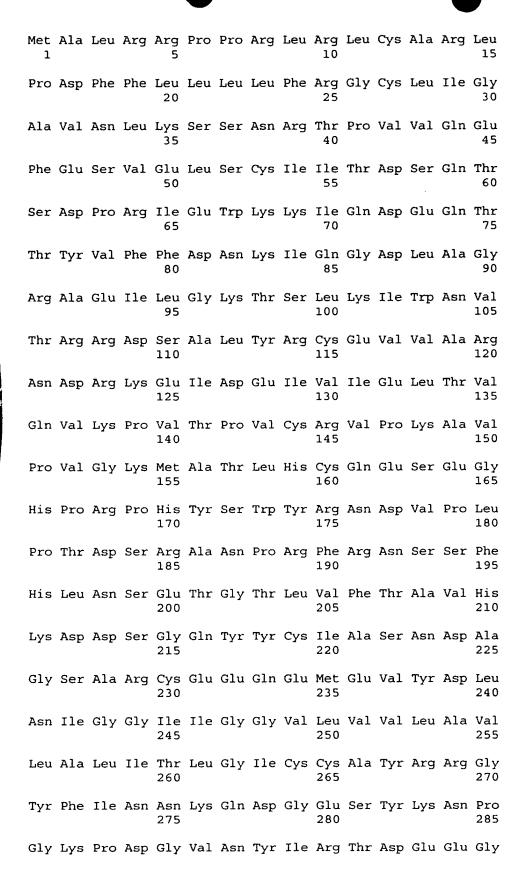
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Ile Trp Phe Pro Glu Glu Lys Pro Leu Pro Thr Ala Phe Leu Val 35 40 45

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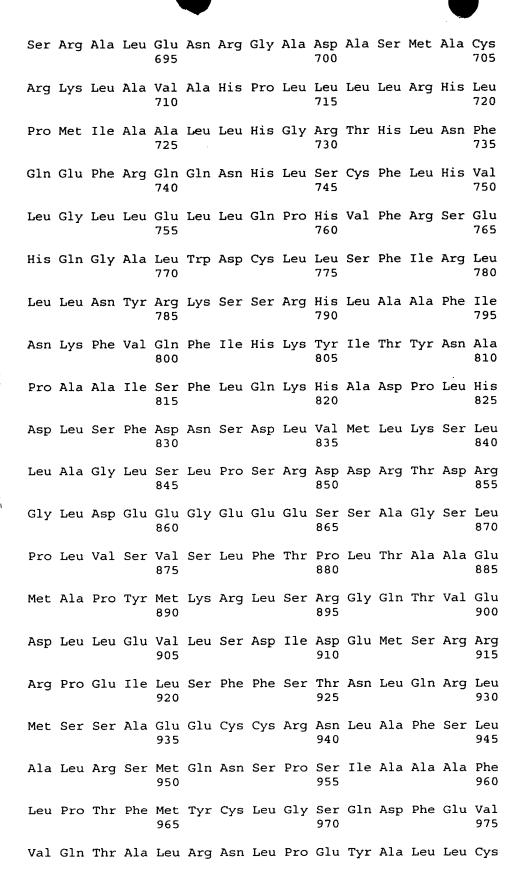
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Pro	Glu	Val	Val	Ser 470	Ser	Cys	Pro	Asp	Leu 475	Gln	Leu	Arg	Leu	Leu 480
Phe	Ser	Arg	Arg	Lys 485	Gly	Lys	Gly	Gln	Ala 490	Gln	Val	Pro	Ser	Phe 495
Arg	Pro	Tyr	Leu	Leu 500	Thr	Leu	Phe	Thr	His 505	Gln	Ser	Ser	Trp	Pro 510
Thr	Leu	His	Gln	Cys 515	Ile	Arg	Val	Leu	Leu 520	Gly	Lys	Ser	Arg	Glu 525
Gln	Arg	Phe	Asp	Pro 530	Ser	Ala	Ser	Leu	Asp 535	Phe	Leu	Trp	Ala	Cys 540
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Tyr	Leu	Gln	Arg	Pro 650	Glu	Leu	Arg	Val	Pro 655	Val	Pro	Glu	Val	Leu 660
Leu	His	Ser	Glu	Gly 665	Ala	Ala	Ser	Ser	Ser 670	Val	Cys	Lys	Leu	Asp 675
Gly	Leu	Ile	His	Arg 680	Phe	Ile	Thr	Leu	Leu 685	Ala	Asp	Thr	Ser	Asp 690



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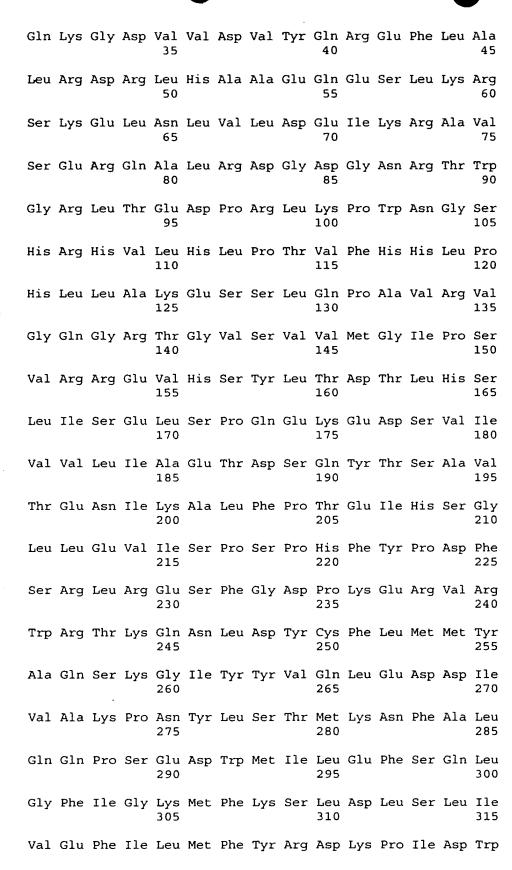
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No.	Doccode	Number of pages
1	IDS	3
2	NPLI01	6
3	NPLI02	5
4	NPLI03	13

Total number of pages: 27

Remarks:

Order of re-scan issued on